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Interpreting Ag Data

Missouri is an important agricultural state. Our state produces a great variety of agricultural products. Look at page 2 of this year's "Missouri Farm Facts" and answer the following questions.

HAY
There!



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- _____ How does Missouri rank in total Farm numbers?
- _____ How many farms are there in Missouri?
- _____ Cash receipts refers to the total amount of money received for agricultural products. How many millions of dollars of cash receipts were received?
- _____ Missouri is the second leading hay (not including alfalfa) producing state. A ton weighs 2,000 pounds. How many tons of hay were produced in Missouri?
- _____ Watermelons are an agriculture crop. How many hundred weight of watermelon were produced in our state? (The word *hundredweight* means 100 pounds)
- _____ Missouri is an important beef cattle state. In fact, Missouri ranks second in numbers of beef cows. Can you guess what state ranks first?* How many beef cows are there in our state?
- _____ Many turkeys are grown in Missouri. Our state ranks fifth. How many turkeys were raised?
- _____ Missouri has several dairy processing plants. In a dairy processing plant, milk is made into products that many of us enjoy. How many pounds of cheese were made in Missouri?
- _____ How many gallons of ice cream were made in Missouri?

#7? #4? #14? #9

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Mixed up Piglets

Missouri is the seventh leading hog producing state. Mother pigs (called sows) produce litters of babies (piglets). There are usually 8 – 12 piglets in a litter. Here are three sows. Match each piglet to its mother by solving the math problems on each.

The sow pigs have the following numbers:

- Top sow: 72
- Middle sow: 42
- Bottom sow: 54

The piglet pigs have the following multiplication problems:

- Top left: 14×3
- Top right: 9×8
- Middle left (top): 18×4
- Middle left (bottom): 9×6
- Middle right (top): 18×3
- Middle right (bottom): $3 \times 2 \times 7$
- Bottom left (top): 6×7
- Bottom left (bottom): 6×12
- Bottom right (top): 24×3
- Bottom right (bottom): $3 \times 9 \times 2$
- Bottom left (bottom): $3 \times 2 \times 9$
- Bottom right (bottom): $3 \times 2 \times 3 \times 3$
- Bottom center left: 21×2
- Bottom center right: 27×2